Video Matrix Switching Control Unit

The ET-6416 video matrix switching control unit features a modularly based, centralised and/ or distributed architecture designed to integrate multiple video switcher sites with a central control unit. ET-6416 video switching equipment can be strategically located in either a central location or distributed throughout a site in order to minimise cabling, conduit, and labour and installation time.

The ET-6416 video matrix switching control unit has 64 video inputs, with full matrix switching to 16 video outputs. Each video matrix switching control unit has RS-422 data communication port. Provides camera title, 24 hour time/date, monitor number and titling displays can be selected by 8 step of grey scale.
Multiple ET-6416 video matrixes switching control unit can be interconnected to expand video input to 640 cameras and video monitor output to 160.

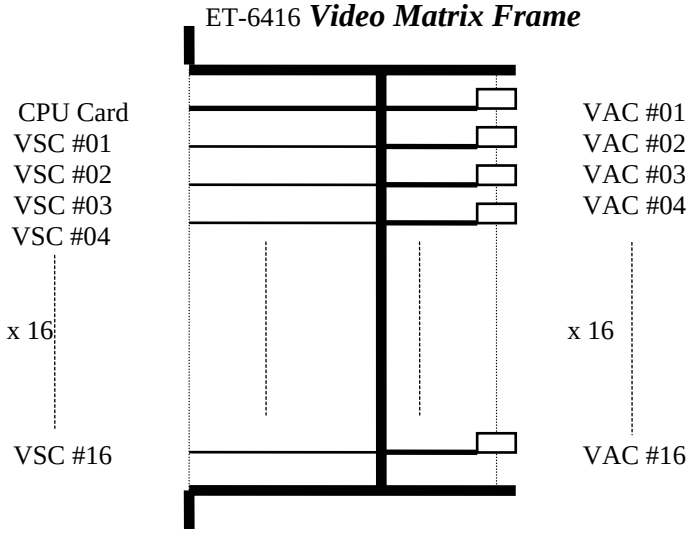
FEATURES

- Modular panel design
- Full camera titles with time / date
- Monitor number display
- Multi-processor circuit board design
- Frame Switching.

Video Matrix Structure

inputs: 4 to 64 (ET-VAC card VAC x 16) 4 input for 1 VAC card
output : 1 to 16 (ET-VSC card VSC x 16)

ET-6416 ***Video Matrix Frame***



Electrical Specifications

Input Voltage: 200-220 VAC 50Hz
Power Consumption: 300 watts
Power Source: Switch Power Module x 2

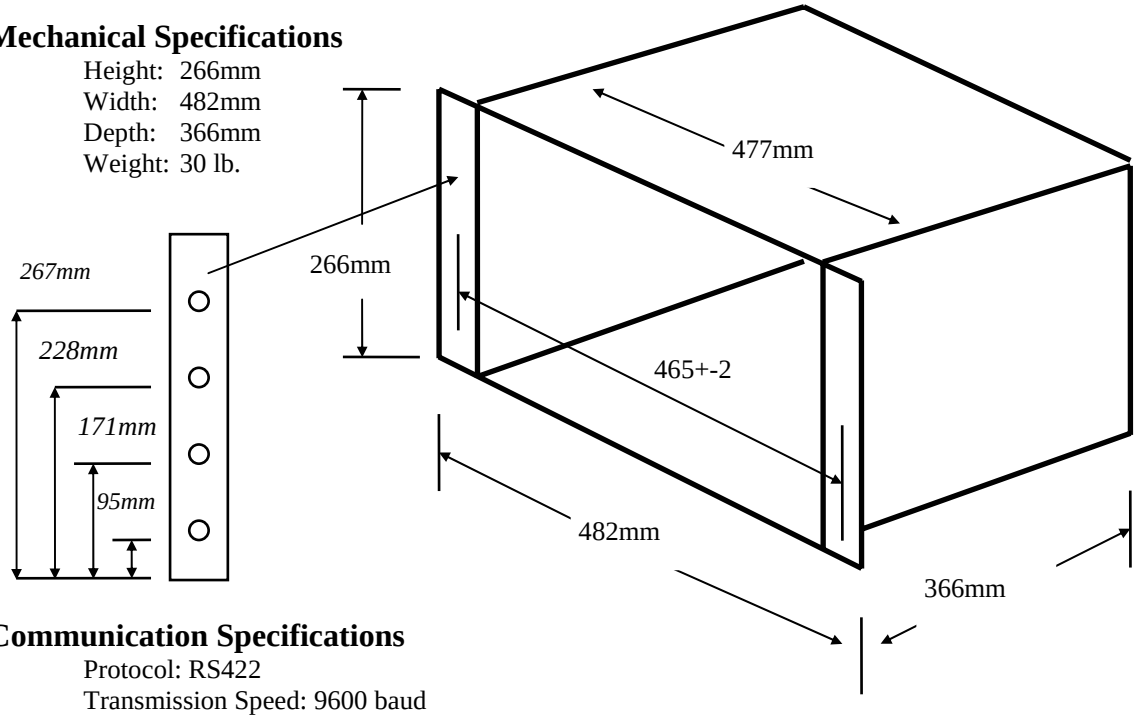
Operational Specifications

Control/Indications:
- Manual Reset
- LED address readouts

Programming Video switching
Power supply +5, +5ana, -5 VDC LED indicator for each card
Switching time:
- 0.5 milliseconds
- Black pause switching 20 milliseconds
  40 milliseconds
  80 milliseconds to 1.25 seconds

Mechanical Specifications

Height: 266mm
Width: 482mm
Depth: 366mm
Weight: 30 lb.

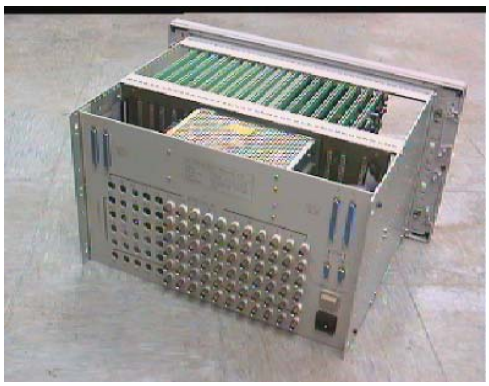


Communication Specifications

Protocol: RS422
Transmission Speed: 9600 baud
Transmission Method: In/Out Loop
Transmission Distance: 1.2Km each Video Matrix Frame
Data Signal Cable Requirement: Twisted pair 22 AWG overall 2 shield cable (Belden 8723)
Signal Amplification: Internal Differential Line Driver

Complementary Equipment

ET-6400	VGF -	Video Matrix Frame
ET-6401	VSC -	Video Switching Card
ET-6402	PSC -	Power Supply Unit
ET-6403	CPU -	Centre Processor Unit Card
ET-6404	VAC -	Video Amp Card
ET-6405	VOC -	Video Output Card (Option)



ET-6416 Back Panel